

Amend claim 7 as follows:

--7. (Amended) Heat exchanger according to Claim 2, characterized in that the grating (30) has at least one continuous region with no perforations representing a substantial fraction of its area.--

Amend claim 8 as follows:

--8. (Amended) Heat exchanger according to Claim 1, characterized in that the grating (30) extends over a cross section of the line.--

Amend claim 9 as follows:

--9. (Amended) Heat exchanger according to Claim 1, characterized in that the grating (30) extends over a cross section of the line at right angles to its axis.--

Amend claim 10 as follows:

--10. (Amended) Heat exchanger according to Claim 1, characterized in that the grating (30) is arranged at an angle in the supply line.--

Amend claim 11 as follows:

--11. (Amended) Heat exchanger according to Claim 1, characterized in that the grating (30) extends over the entire area of a cross section of the line.--

Amend claim 12 as follows:

--12. (Amended) Heat exchanger according to Claim 1, characterized in that the grating (30) extends over an area smaller than a cross section of the line.--

Amend claim 13 as follows:

--13. (Amended) Heat exchanger according to Claim 1, comprising a supply line having a tapping (211) exhibiting a circular cross section at right angles to its axis and connected to supply boxes (21) having a semicircular cross section at right angles to their axis, characterized in that the grating (30) is arranged in a supply box near the tapping.--

Amend claim 14 as follows:

--14. (Amended) Heat exchanger according to Claim 1, characterized in that the supply line contains several gratings (30).--

Amend claim 15 as follows:

--15. (Amended) Heat exchanger according to Claim 1, comprising two supply lines, characterized in that each line contains at least one grating (30).--

Amend claim 16 as follows:

--16. (Amended) Heat exchanger according to Claim 1, characterized in that the said fluid circulating through the fluid supply line is in the gaseous state.--

Amend claim 17 as follows:

--17. (Amended) Reboiler-condenser, characterized in that it comprises one heat exchanger according to Claim 1.--

Amend claim 18 as follows: